Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	08/25/2017 10:11 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/17/2017 11:48 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123922	-1	1.55	123731	1.53
Blue	F	SSC	125000	122745	-2	3.09	123044	2.90
Blue	E	FITC	23795	23070	-4	2.60	1027	10.58
Blue	D	PE	29673	29193	-2	2.11	1051	9.96
Blue	B	PerCP-Cy5-5	48943	47779	-3	3.52	1366	17.65
Blue	A	PE-Cy7	44112	43647	-2	5.21	669	36.62
Red	C	APC	54273	53479	-2	2.77	3082	9.34
Red	A	APC-Cy7	54945	54396	-1	2.74	1130	11.26
Violet	B	V450	15756	14879	-6	4.41	713	9.14
Violet	A	V500	62569	61132	-3	4.17	2711	6.70

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19388	3.91	611	-3	N/A	N/A	Pass
Blue	F	SSC	60861	1.58	545	-1	N/A	N/A	Pass
Blue	E	FITC	114	39.65	548	-2	0.0195	146	Pass
Blue	D	PE	230	29.99	546	0	0.1600	278	Pass
Blue	B	PerCP-Cy5-5	213	46.33	635	-4	0.0092	68	Pass
Blue	A	PE-Cy7	73	124.00	692	-7	0.0113	18	Pass
Red	C	APC	362	27.92	598	-2	0.0211	122	Pass
Red	A	APC-Cy7	124	40.56	576	-8	0.0055	1548	Pass
Violet	B	V450	87	41.10	473	1	0.0459	1737	Pass
Violet	A	V500	196	22.76	502	3	0.0141	347	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.58	-31.08	0.86
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.33
Red	18.46	13.27 - 19.91	N/A	N/A	31.09	31.58	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 10097

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments